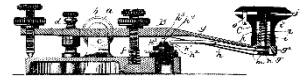




Bexar Wire

San Antonio Radio Club
W5SC



2018, No. 7

July 2018

Field Day 2018



Joe Bruno, W5AUQ, Chairperson, Field Day Committee, presenting the Field Day 2018 plan at the June 14, 2018 SARC General Membership Meeting

Field Day 2018 was hot. Correction, Field Day 2018 was very hot. That is still not correct. Field Day 2018 was very brutally hot.

Before getting into Field Day 2018, it is appropriate to back up some. Field Day 2018 started last fall with equipment checks, especially those pertaining to the generators. Throughout the fall and winter various things were done to include work on an air cannon, purchasing push-on PL259 connectors, fashioning a steel wedge for the

VHF/UHF antenna, replacing very old VHF and UHF radios, working on generators, etc. In the spring, work on the antenna plan was begun, an application to use the site at Shavano Park was filed, and SARC was listed on the ARRL Field Day website. Joe Bruno, W5AUQ, Chairperson, Field Day Committee was involved in all of this or was the principal executor of these tasks. Rich Roudebush, N4DCA, worked on the generators more than once. Richard Elder, WB5ACN, also provided sound advice on the Honda 1KW generator. The Media Communications Plan was being done by Harold Fleischer, AE5AS. Joe W5AUQ, Rich N4DCA, and Harold AE5AS did a site work to finalize the site plan especially as it pertained to antennas. The President and Joe W5AUQ, as previously *Continued on Page 5*

Micro BITX

Our next club meeting will be at 7:00 p. m. (1900) on Thursday, July 12, 2018, at Grady's Barbeque, 327 E. Nakoma Dr., San Antonio, TX 78216. The program will be a presentation on *Micro BITX* by Richard Elder, WB5ACN. Come early and join us for supper.



The Tent Set-Up Crew on Friday, June 22, 2018, with Shavano Park Mayor Bob Werner (center, orange shirt). Others in the picture include Benjamin and Zachary Jaramillo, Harold Fleischer, AE5AS, Jack Bannin, N5JIB, Mayor Bob Werner, Jon Arbogast, KG5YAR, Joe Bruno, W5AUQ, Rich Roudebush, N4DCA, Richard Elder, WB5ACN, and Tim Jenison, AF5GG (Not pictured - Tony Jaramillo, KG5TPQ, who took the picture)

SAN ANTONIO RADIO CLUB

PRESIDENT'S RADIOGRAM

NUMBER	PRECEDENCE	HX	STATION OF ORIGIN	CHECK	PLACE OF ORIGIN	TIME FILED	DATE
7	R		AE5AS		San Antonio, TX		July
TO							
W5SC							

For those of you who participated in any part of Field Day 2018 last month during daylight hurs, you already know it was sunny and hot. I slathered sunblock on my arms, neck, and face and emerged with sunburn on the top of my head in my hair although I wore a cap **all** of the time. It was sunny and hot. It impacted everything we did during Field Day 2018. I think everyone did a pretty good job of adjusting their pace to slow and deliberate. I think everyone worked on staying hydrated and on taking breaks. These are really the only way of coping with the heat while still steadily getting things done. Schedule wise, we were pretty much on time except at the end when we finished up an hour and half behind the plan.

We progressed to the point that Joe Bruno, W5AUQ, called for radio set up 15 minutes before the 1:00 p. m. nationwide start time on Saturday. Contacts were good enough that Joe W5AUQ did not end operations until 10:30 a. m. on Sunday morning. Once in place with some fans, it was easier. My thanks to Lloyd Swartz, KF5ZHW. He ordered, picked up, and served the Rudy's BBQ at 6:00 p. m. as planned. We did invite the Shavano Park police to eat with us one last time after Lloyd KF5ZHW got everything set up.

Joe W5AUQ did a commendable job as Chairperson, Field Day Committee. His contribution was an important part of making things work. Field Daty 2018 would have been impossible if many more people had not helped out along the way. It takes a team effort to load things up from storage; move equipment to the site; set up a tent, generators, antennas, computers, and, yes, radios; tear everthing down: move equipment back to storage; and finally unload it. My notes show that seven people were at the storage site when the last piece of equipment were put away. Thanks for helping.



AE5AS

Bexar Wire

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The due date for articles is the Friday before the first Monday of the month.

- Created Cookie and Policy statement for Board approval and then added to website.
- Made multiple posts for Field Day 2018.
- There were 464 sessions on the website in May 2018. Traffic seems to be picking up concerning Field Day 2018.
- Facebook is getting a number of hits with Field Day and Classes leading the way.

Chairman of the Board Report –Bob Rodriguez, K5AUW – The Board by email ballot approved a cookie and privacy policies for the website.

Committee Reports

Education and Training – Bob Rodriguez, K5AUW, thanked Joe Bruno, W5AUQ, for his assistance over the last ten years.

David Finell, N5LRY, stated that he already has scouted out a location at a combined Library-YMCA on the west side. The President encouraged him to get a class going in the August-September 2018 time frame as shown in the newsletter, which is based on Bob K5AUW's report last month.

Finance and Review – Paul Guido, N5IUT, has not yet started.

JOTA – no report.

Membership – Tom O'Brien, AB5XZ, is out of town. Membership has gone up slightly to an estimated 92. A more complete report will be available next month.

Nominating - inactive

Radio Fiesta – no report.

VEC – The next test session will be held at 10:00 a. m. on June 23, 2018, at the Great Northwest Library.

The question pool for the Technician exam will change on July 1, 2018, so everyone who is now studying for the Tech exam encouraged to take the test before then.

The VEs will be supporting a session for 30 CERTS members taking a Technician Class on Oct 13, 2018. VEs who can help should contact Pat Knight AD5BR.

Centennial Commemoration (Temporary) - Tom O'Brien, AB5XZ, is out of town. The next Centennial Commemoration Committee meeting should be on July 9, 2018 where the final decision should be made about the logo and planning for events in 2019 will proceed.

CW Training (Temporary) – Joe Bruno, W5AUQ, reported that he has had problems getting this going. He asked members who are really interested in this to get with him.

Filter (Temporary) – Richard Elder, WB5ACN, announced that seven (7) filters have been built. He then did a show and tell on them. They are ready for Field Day 2018.

Since the Filter Committee had accomplished their objective, the President thanked them for their work and officially disbanded this temporary committee.

Tailgate Swap Meet Committee (Temporary) – Richard Elder, WB5ACN, reported that there will not be a tailgate swap meet at Hangar 18 Surplus because on Field Day. They plan to move. When is up in the air. The earliest for the next one is July 2018.

Field Day – Joe Bruno, W5AUQ, Chairperson:

- He did a show and tell on the Alinco DR-635T VHF/UHF Transceiver recently donated by JC Smith, N5RXS, and the power supply that SARC bought for it.
- He did a show and tell on the air cannon for putting up dipole and similar wire antennas.
- He made a PowerPoint presentation on Field Day 2018 and took questions on the following key areas:
 - Objectives.
 - Field Site Plan, Tent Plan, Power and RF Cable Wiring Plans, Antenna Plan
 - Time Schedule
 - Work Plan
 - Work Plan and Station Plan sign up

Old Business - None

New Business - None

Announcements For The Good of Amateur Radio

Harold Fleischer, AE5AS, made an announcement concerning the Radiowavz Antenna Tape that is pre-marked with antenna $\frac{1}{4}$ and $\frac{1}{2}$ wavelengths up to 30M.

Richard Elder, WB5ACN, reported that there will not be a tailgate swap meet at Hangar 18 Surplus because on Field Day. They plan to move. When is up in the air. The earliest for the next one is July 2018.

The meeting was adjourned at 8:55 p. m.

Eric Harris, KG5SZV
Secretary

Field Day 2018 *(Continued from Page 1)*

reported in the Bexar Wire went to a City of Shavano Park Council meeting to receive the Amateur Radio Week Proclamation by Mayor Bob Werner. Hence, June 2018 was the culmination point for Field Day 2018.

At the SARC General Business Meeting on June 14, 2018 at Grady's BBQ Restaurant, the major event was the briefing of the plan for Field Day



San Antonio Radio Club's Yagi Antenna for 10M/15M/20M being prepared for operations on Saturday, June 23, 2018



Mayor Bob Werner, City of Shavano Park, and Harold Fleischer, AE5AS, President, San Antonio Radio Club, at Amateur Radio Field Day 2018 at Shavano Park on Saturday afternoon, June 23, 2018

2018 by Joe, W5AUQ. This plan was derivative. There were some changed elements, like the number, type, and placement of some antennas and detailed, announced tent wiring plans for electricity and RF cables. Except for date changes, the schedule briefed was the same as last years because last year's plan was close to the actual.

Opportunities to sign up for work teams on Friday and Saturday for load outs, set ups, tear down, and load back to storage were provided. Similarly, opportunities to sign up for certain stations were provided. Joe W5AUQ emphasized that the objective was to have fun first and foremost. Members were told that any and all levels of participation were okay and that they could decide to bring whatever equipment they wanted to at the last second as it would be worked in Field Day 2018. A member could participate to whatever extent that they wanted to participate.



Operations are underway on Saturday, June 23, 2018

Physical work on Field Day 2018 started at 3:00 p. m. on Friday, June 22, 2018, at the SARC storage site, 10660 W FM 78, Schertz, TX. The load out was done by Joe Bruno, W5AUQ, Richard Elder, WB5ACN, Harold Fleischer, AE5AS, Mike Harrison, KB5KST, and Rich Roudebush, N4CDA. The equipment loaded was the eight 6 foot tables, two tent tubes, two tent pole bundles, six 5 gallon sand pails, rope and stake tub, and sixteen folding chairs. By 3:09 p. m., the load out team was on the road to Shavano Park. (Tom O'Brien, AD5XZ, pulled in just as the load out team was leaving.)

The tent arrived at 3:45 p. m. at Shavano Park, which was 45 minutes early. The load out team linked up with Jon Arbogast, KG5YAR, Jack Bannin, N5JIB, Tony Jaramillo, KG5TPQ, and his two sons, Benjamin and Zachary, and Lloyd Swartz, KF5ZHW. It was very brutally hot. Richard Elder, WB5ACN, was the Tent Team leader or mentor. He guided all hands present in erecting the tent. There are a lot of pieces and tent erection works best if the sequence Richard WB5ACN led everyone through is used. The top of the frame is put up first. The UV sides of the tarps then were attached to the top of the frame followed by the white tent top. The legs were added, the ends were added, and the sides were added. The tent was anchored with the sand pails and the tables. Mayor Bob Werner came out as the work on the tent was being completed and gave out Shavano Park Fiesta medals to those present. Once the tent was done at 6:15 p. m., the orange flags for the 25'

safety line were emplaced by Harold AE5AS, Benjamin, and Zachary. Joe W5AUQ, Jack N5JIB, and others then walked the field to emplace the orange flags marking antenna locations. By 6:45 p. m., all orange flags were in and everyone left shortly thereafter.

Saturday, June 23, 2018, started with a load out team again assembling at the SARC storage site. The start time was 8:00 a. m. Jack Bannin, N5JIB, Jeff Boyes, N8DB, Joe Bruno, W5AUQ, Richard Elder, WB5ACN, Harold Fleischer, AE5AS, Mike Harrison, KB5KST, and Rich Roudebush, N4DCA, loaded out the beam antenna, VHF/UHF antenna and mast, 40M/80M dipole antennas and mast, the SARC radios, SARC RF cables, patch panel, SARC logging computer equipment, generators, power cables, and other items per the loading plan with a special emphasis on the trailer. The pre-planning paid off as everything was ready to go by 8:15 p. m. The load out team then left for Shavano Park with Joe W5AUQ pulling the trailer.

The trailer arrived at Shavano Park before the scheduled 9:30 a. m. arrival time. Lloyd Swartz, KF5ZHW, was already there and had arranged the tables and set-up the overhead fluorescent lights. The set-up work plan then really commenced. Rich Roudebush, N4DCA, lead the Generator Team in getting the generators operational with a priority to the computer supporting generators. Joe Bruno, W5AUQ, and Richard Elder, WB5ACN, assisted him at various times, especially with the 1KW Honda generator. Jeff Boyes, N8DB, lead the Computer Team in getting the logging computers set-up and networked together. Bill Craft, KD2HIQ, assisted Jeff N8DB was the computers. Richard Elder, WB5ACN, lead the Beam Antenna Team. A number of individuals helped him at various times. The tower itself jammed at one point and became a post Field Day 2018 maintenance item.

Lloyd KF5ZHW led the Water and Food Team. During set-up, the critical thing was water, and he had it ready from the start. It was very brutally hot. Harold Fleischer, AE5AS, lead the Antenna Team. He and Jack Bannin, N5JIB, set up the patch panel and put in all the RF cable drops in the tent. The RF cables for the SARC antennas were then laid. Mike Harrison, KB5KST, unloaded all of the folding chairs and then became the straw boss for antenna set-up. Lloyd KF5ZHW took the lead on setting up his multi-

band antenna, and Rosendo Guzman, N5YGB, took the lead on setting up his Off Center Fed (OCF) dipole antenna. Everyone on had sooner or later helped with antennas. Tong Jaramillo, KG5TPQ, and Jon Arbogast, KG5YAR, were both noted as working on antennas. Jon KG5YAR, took the lead on getting the ends of the 40M/80M dipole ends tied up into the trees. He noted the air cannon leaked. The Antenna Team Leader gathered 4 antenna crew members together to brain storm the erection of the 40M/80M dipole. The decision was to lay it out on the ground and then walk it up. The Antenna Team Leader personally supervised this. Once everything was laid out, about 10-15 people present walked it up in 10 seconds.

By 12:45 p. m., the generators were working, the computers were working, and all, but three personal antennas (two belonging to Joe W5AUQ that went up that evening and one belonging to Harold AE5AS) were up. Consequently, Joe W5AUQ passed the word to take out the radios, connect them, and prepared to conduct radio operations for logging at 1:00 p. m., which was the official start time nationwide for Field Day 2018 radio operations. The GOTA station was never activated. It basically came down to the heat sapping energy and the lack of demand. The operator for the VHF/UHF station also found it necessary to retreat from the heat even though his antenna for that was up and ready.

At 1:00 p. m., John Tedesco, a reporter from the San Antonio Express News (SAEN), arrived on site. Shortly thereafter, a SAEN photographer joined him. As Harold AE5AS was the communications officer for Field Day 2018, he gave him a tour introducing members as they went. After about 50 minutes, John was turned loose on his own to wander around. He stayed until about 2:30 p. m. A story with pictures was in the next day's SAEN.

Radio operations were slow in the afternoon due to the atmospherics on a number of bands. They did improve as the sun went down. Members and visitors continued to flow in and out all day. One visitor was

from Massachusetts. SARC operators would put people on the air whenever they evinced interest in going on the air. Mayor Bob Werner made a return visit about 5:00 p. m. and toured the now operating facilities with Harold Fleischer, AE5AS. He reiterated his personal, constant theme over the years of SARC's use of Shavano Park for Field Day.



Radio Operations on Sunday morning, June 24, 2018

Lloyd KF5ZHW became the hero of the hour at 6:00 p. m. He placed the traditional Rudy's BBQ dinner order at 5:00 p. m., picked it up at 5:30 p. m., and served it at 6:00 p. m. Some members specifically timed their arrival to participate in this dinner. Joe W5AUQ re-extended the dinner invitation to the Shavano Park police officers, and three of them came at about 6:30 p. m. to eat with SARC.

As the evening turned into night, the number of people on site dwindled to the three all nightery members: Jeff Boyes, N8DB, Joe Bruno, W5AUQ, and Rosendo Guzman, N5YGB. Lloyd Swartz, KF5ZHW, and Richard Elder, WB5ACN, were early morning returnees. The first breakfast tacos were on site at 7:45 a. m. As the morning wore on, more members and visitors started showing up. Antennas not in use were struck. This included both VHF/UHF antennas, the VHF antenna, and the 20M dipole belonging to Joe Bruno W5AUQ. Eventually, a crew of about 8 took down the 40M/80M dipole antennas using a walk down method after popping off the tripod legs. This took like 15 seconds to do. Disassembly took longer.

Operations continued until 10:30 a. m. At that time, Joe Bruno W5AUQ called a halt due to declining traffic. The tear down work plan then commenced. The initial critical

path item was securing radios. The second critical path item was the proper shutdown of the computers after pulling the log off of them. Antenna tear down went on in parallel. This included the beam antenna and two others belonging to Lloyd KF5ZHW and Rosendo N5YGB. Harold AE5AS took apart the patch panel with help from Jon Arbogast, KG5YAR, who helped in accounting for all SARC RF cables. Generators stayed on until no longer needed for the computers or beam antenna. Rich Roudebush, N4DCA, then turned the generators off. Once the tent was clear, Richard Elder, WB5ACN, supervised the disassembly of the tent while also Gorilla taping two areas along the ridge pole that were tearing. This was a lot slower process than this paragraph may imply. *It was very brutally hot.* This necessitated moving slowly, deliberately, frequent breaks, and drinking a lot of water. Consequently, things happened in spurts. Finally, everything was ready of loading. Mike Harriosn, KB5KST, collected the folding chairs and took them back to the SARC storage site in Schertz. Other members loaded radios, antennas, tables, ropes, kitchen tubs, etc. in their vehicles. The trailer was loaded per its specific loading plan. Unsurprisingly, it all fit. Personal equipment was also loaded. More than one member walked the grounds looking for trash. The final load out crew was Jon Arbogast, KG5YAR, Jeff Boyes, N8DB, Joe Bruno, W5AUQ, Bill Craft, KD2HIQ, Richard Elder, WB5ACN, Harold Fleischer, AE5AS, and Rich Roudebush, N4DCA. SARC rolled out at 2:15 p. m. for Schertz.

Equipment arrived at 2:45 p. m. at the SARC storage site. It was immediately unloaded in a sequenced fashion so as to fit on the shelves and other spaces. Everyone at the end of the load out went to the SARC storage site. With seven people on hand, everything was unloaded and the trailer secured by 3:30 p. m. This was an hour and a half behind schedule, but given the heat, the slow, deliberate pace was essential for safety reasons.



Jeff Boyes, N8DB, operating an HF radio with the beam antenna on Sunday morning, June 24, 2018 after being up all Night

So how did SARC do during Field Day 2018? The first objective was “Have Fun”. SARC members worked well with each other and accomplished various amateur radio goals with respect to set up in field or emergency conditions, radio operations, and then recovery of equipment. SARC was wise to pace itself so no one collapsed. The second objective was “Eat Well”. Lloyd Swartz KF5ZHW saw to that Saturday night with the Rudy’s BBQ that he brought in. Breakfast tacos did appear the next morning. SARC ate well. The third objective was “Be Safe”. At no time did anyone urge anyone to rush. Taking a break was encouraged. Members mutually reinforced the need to drink water. One person did cut themselves, but a band aid from the first aid kit helped with that. The fourth objective was “Operate Radios”. Radios were operated. The opportunity was there for all. “Learn & Experience” was the next to last objective. SARC put up some different antennas this year. SARC tried out a different method of erecting and then taking down the 40M/80M dipoles. SARC experienced band conditions. SARC proved that it could cope with the very brutally hot conditions as opposed to the somewhat overcast conditions of the last two years. The final objective was the “ARRL Contest”. The point sheets have not been completed yet so a definitive comparison to last year can not be made. The map of sections contacted shows fewer sections contacted this year although Hawaii to the west, Puerto Rico and New Hampshire to the east, and Washington

In summary, *it was very brutally hot*. SARC accomplished its objectives. It should be a point of pride that SARC did so without any heat casualties.

40M/80M Dipole Antenna Experiment

SARC has been erecting orthogonally mounted 40M and 80M dipole antennas on the same mast for years at field day. SARC has a specially modified 4' green pole section to do this. Usually, it is mounted on a tripod supported mast loaned by JC Smith, N5RXS. The method used in the past was to push the pole up from the bottom pole section by pole section. The first few pole sections are easy. It gets harder as SARC gets closer to the objective 9 pole sections. Only 3 or so people can get close enough to help push up. Another person has to insert a section between legs at the bottom. It gets done, but it is not easy. While up, SARC depends on the tripod mount and the tie off of the wire with rope ends of the two dipoles. Overnight things stay together pretty well, but there are no guide rings and ropes on any part of the mast. Taking it down is a little easier. Lifting 6" to get the clearance to pull a pole section out is easier than lifting 4' to add a pole section.

This year the Antenna Team convened a meeting in the shade to discuss possible methods for putting it up. Method 1 was push pole it up as in past years. Method 2 was to lay it all out on the ground with a couple of guide rings and six guide ropes and then walk it up. Method 3 was to lay it all out on the ground with the tripod as in Method 2, but without the legs. The antenna would be walked up and the legs added. The consensus was Method 2.



SARC's 40M/80M Dipole Orthogonally Mounted on a 33' Mast at Field Day (2017 Picture)

The Antenna Team

Leader personally supervised the layout on the group. The tripod, tripod legs, and mast were assembled with guide rings at the 4/5 pole sections and 8/9 pole sections. The line of effort was the 80M dipole line. The 40M dipole was duct taped to its location after the RF cable was attached and laid out 45 degrees to the left and right of the center line. The 80M dipole was duct taped to its location after the RF cable was attached and then laid out straight behind the mast and parallel to mast for a foot or so. The guide ropes were laid out to the left and right front 60 degrees off of the center line and separated by about 10'. The RF

Cables were duct taped to the mast about every ten feet.

Once everything was ready, the Antenna Team Leader asked for the gutsy two people to step forward. They were assigned to pin the two tripod legs in contact with the ground in place. He then asked for the next gutsy person to step forward. This person was assigned to keep the mast from slipping and then to pin it to the ground as the mast was walked up. Four rope pullers were identified for the four ropes to the front to pull as the mast was walked up. Everyone else, about 7-10 people became a mast walker. The mast was hoisted off the ground. The mast walkers started walking it up as the rope pullers pulled. In 10 seconds, it was up and stable, as

expected, on the tripod. All six guide ropes were staked in place. Antenna team members then started getting the dipole ends tied up. Nothing was entangled.

When it came time to come down, a few pole sections were removed. However, that effort was stopped. The mast was steadied by two ropes and people holding on. The tripod legs were removed, and the tripod connector dropped to the base. One person held the base in place. The walkers started walking back as the rope people were instructed to step forward one step at a time. The mast came down in about 15 seconds.

Method 2 allows guide rings and ropes to be used. It allows the work of assembling and disassembling the antenna and mast to be done on the ground. It allows a lot more people to help. The time to erect is like 10 seconds of maximum physical effort by the group. The time to drop the antenna is like 15 seconds of maximum physical effort by the group.

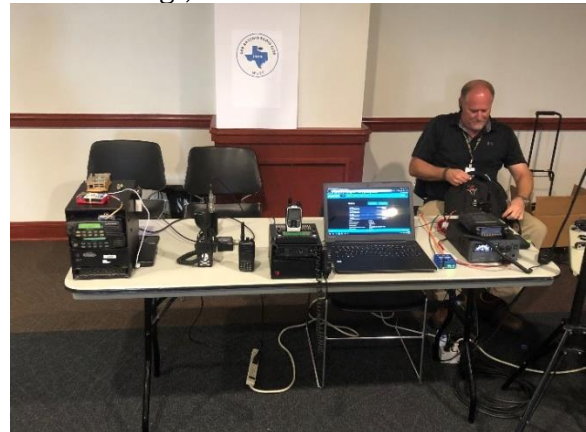
SARC at BSides



Rosendo Guzman, N5YBG; John Douglas, W5NZK; Stan Smithson, raffle winner; and Ben Fogt, N5AMD, just after Stan won the raffle at BSides on Saturday, June 16, 2018

BSides SATX sponsors Events for professional information security people. They have been doing this since 2013. A BSides Event is mostly presentations of interest to information security professionals, but they do have tables for relevant organization. This year, the planning committee of six people realized that they had 3 licensed amateur radio operators on the committee. They thought amateur radio might be of interest to attendees. Paul Guido, N5IUT, a long-term member of SARC and a past president reached out to SARC leadership and offered a free table. In turn, the Board of Directors approved the raffle of a Baofeng Hand Transceiver in storage, and Rosendo Guzman, N5YBG, was recruited to staff the table. SARC provided him raffle slips, handout cards, sample newsletters, membership applications and a bunch of ARRL

handouts as well as the San Antonio Digital Radio Club handout with digital repeaters. He then recruited John Douglas, W5NZK, and Ben Fogt, N5AMD.



John Douglas, W5NZK, behind SARC table with DSTAR/DMR repeater on left, DSTAR radios in the center, and a System Fusion radio with One Spot on the right



Rosendo Guzman, N5YBG, (left) and Ben Fogt (N5AMD), (Center) talking with attendees at BSides SATX

BSides SATX held their event on Saturday, June 14, 2018, at Saint Mary's University. Ben N5AMD actually bought a UHF re-peater that handled DSTAR, DMR, and analog radios. He had a number of other radios to demonstrate it. John W5NZK brought a System Fusion capable radio and a One Spot. Rosendo N5YBG brought a System Fusion radio and a laptop running APRS. In the VHF/UHF arena, this is all cutting-edge stuff. Paul N5IUT made sure all three were issued BSides T-Shirts and some really cool circuit board-based badges. Paul N5IUT also issued the BSides T-Shirt and badge to the President who was there from 8:00 a. m. until 12:30 p.m. While most people were there for the presentations, they did make the rounds between sessions and during lunch. A number of people came up and introduced themselves as hams. Others came up and got information about the equipment on display and about how to get a license. Rosendo N5YBG even signed up a new member for SARC.

BSides had 411 people at it this year. SARC will review its experience this year and might go back next year if invited. The whole point was to approach a bunch of geeks and see if they wanted to join the geeks doing ham radio.



Visitor, Harold Fleischer, AE5AS, and John Douglas, W5NZK, at the two SARC tables

July VE Team Report

We had seven successful candidates at our June 23 VE session. We had five candidates earn a Technician license. One candidate earned his General by passing both the Tech and General exams. Another candidate upgraded from Tech to General.

The VE team's next test session will be August 25, 10 AM, at the Great Northwest Library. The question pool for the Technician exam changed [on July 1, 2018](#), so anyone studying for the Tech exam should make sure that they are studying the new questions.

We will be supporting one of Bob Rod's Technician classes for a CERT team of 30 members with a VE session October 13. Anyone who is a VE and interested in helping should contact me at ad5br.pat@gmail.com.



Need an up-to-date repeater listing? ARRL publishes a book with the relevant title The ARRL Repeater Directory 2018. ARRL usually issues an updated directory every year, but it can become out of date all too quickly. However, if you are not close to the internet, it is very valuable.

ARRL is now working with RFinder to try to make the ARRL Repeater Directory as current as possible. If you have internet access and a subscription to RFinder, you can use that.

There is also RepeaterBook (<https://www.repeaterbook.com/>). RepeaterBook is free. Extra features, for free, are available to registered hams. They even have downloadable apps for iPhone and Android devices. The current listing for San Antonio follows:

Frequency	Offset	Tone In / Out	Location	County	Call	Use
53.13	-1 MHz	179.9	San Antonio	Bexar	K5SUZ	OPEN
53.17	-1 MHz	88.5	San Antonio	Bexar	WA5KBQ	OPEN
53.21	-1 MHz	141.3	San Antonio	Bexar	KB5BSU	OPEN
145.17	-0.6 MHz	141.3	San Antonio	Bexar	WD5IEH	OPEN
145.21	-0.6 MHz	162.2 / CSQ	San Antonio	Bexar	K5NNN	OPEN
145.25	-0.6 MHz		San Antonio	Bexar	N8IQT	OPEN
145.33	-0.6 MHz	146.2	San Antonio	Bexar	KC5RXY	OPEN
145.39	-0.6 MHz		San Antonio	Bexar	N5MRM	OPEN
145.45	-0.6 MHz	141.3	San Antonio	Bexar	N5UAP	OPEN
145.47	-0.6 MHz	110.9 / 110.9	San Antonio	Bexar	KD5GSS	OPEN
146.49	+1 MHz	DSTR	San Antonio	Bexar	WD5STR	OPEN
146.58	0 MHz	114.8 / 114.8	San Antonio	Bexar	K5VPW	OPEN
146.62	-0.6 MHz	162.2	San Antonio	Bexar	K5AWK	OPEN
146.66	-0.6 MHz	110.9 / 110.9	San Antonio	Bexar	W5STA	OPEN
146.68	-0.6 MHz	162.2	San Antonio	Bexar	K5YDE	OPEN
146.7	-0.6 MHz	173.8	San Antonio	Bexar	KA5IID	OPEN
146.78	-0.6 MHz	162.2 / 162.2	San Antonio	Bexar	K4HBM	OPEN
146.82	-0.6 MHz	179.9 / 179.9	San Antonio	Bexar	WA5FSR	OPEN
146.84	-0.6 MHz	82.5 / 82.5	San Antonio	Bexar	KF5FGL	OPEN
146.88	-0.6 MHz	141.3	San Antonio	Bexar	WB5LJZ	OPEN
146.9	-0.6 MHz	88.5 / 88.5	San Antonio	Bexar	KD5GAT	OPEN
146.94	-0.6 MHz	179.9 / 179.9	San Antonio	Bexar	WB5FWI	OPEN
146.96	-0.6 MHz	162.2	San Antonio	Bexar	WB5FNZ	OPEN
147.02	+0.6 MHz	88.5	San Antonio	Bexar	W5RRA	OPEN
147.04	+0.6 MHz	123.0 / 123.0	San Antonio	Bexar	KK5LA	OPEN
147.06	+0.6 MHz	141.3 / 141.3	San Antonio	Bexar	K5DSF	OPEN
147.08	+0.6 MHz	162.2 / 162.2	San Antonio	Bexar	N5CSC	OPEN
147.14	+0.6 MHz	179.9	San Antonio	Bexar	WD5FWP	OPEN
147.18	+0.6 MHz	103.5 / 103.5	San Antonio	Bexar	K5EOC	OPEN
147.26	+0.6 MHz	103.5	San Antonio	Bexar	K5SOJ	OPEN
147.28	+0.6 MHz	162.2	San Antonio	Bexar	WD5FWP	OPEN
147.3	+0.6 MHz	107.2 / 107.2	San Antonio	Bexar	W5XW	OPEN
147.32	+0.6 MHz	DMR	San Antonio	Bexar	AA5RO	OPEN
147.36	+0.6 MHz	179.9	San Antonio	Bexar	WA5UNH	OPEN
147.38	+0.6 MHz	162.2 / 162.2	San Antonio	Bexar	AA5RO	OPEN
147.515	0 MHz	123.0 / 123.0	San Antonio	Bexar	KA1MZY	OPEN
223.82	-1.6 MHz	CSQ / CSQ	San Antonio	Bexar	WA5LNL	OPEN
224.38	-1.6 MHz	179.9	San Antonio	Bexar	WA5UNH	OPEN
224.66	-1.6 MHz	CSQ / CSQ	San Antonio	Bexar	KA5OHJ	OPEN
440.6	+5 MHz	DSTR	San Antonio	Bexar	WD5STR	OPEN
440.7	+5 MHz	DSTR	San Antonio	Bexar	WA5UNH	OPEN

2018, No. 7		Bexar Wire				July 2018
441.05	0 MHz	136.5	San Antonio	Bexar	K5VPW	OPEN
441.3	+5 MHz	100.0	San Antonio	Bexar	KE6LGE	OPEN
441.375	+5 MHz	88.5	San Antonio	Bexar	N5YBG	OPEN
441.625	+5 MHz	DSTR	San Antonio	Bexar	K5VPW	OPEN
441.7625	+5 MHz	DMR	San Antonio	Bexar	N5AMD	OPEN
442.1	+5 MHz	DSTR	San Antonio	Bexar	NV5TX	OPEN
442.125	+5 MHz	127.3 / 127.3	San Antonio	Bexar	KD5GSS	OPEN
442.2	+5 MHz	162.2	San Antonio	Bexar	K5AWK	OPEN
442.35	+5 MHz	82.5 / 82.5	San Antonio	Bexar	KB5UJM	OPEN
442.375	+5 MHz	141.3	San Antonio	Bexar	WD5FWP	OPEN
442.45	+5 MHz	88.5	San Antonio	Bexar	N5YBG	OPEN
442.625	+5 MHz	127.3	San Antonio	Bexar	KB5ZPZ	OPEN
442.75	+5 MHz	114.8 / 114.8	San Antonio	Bexar	N8IQT	OPEN
443.025	+5 MHz	82.5 / 82.5	San Antonio	Bexar	N5XO	OPEN
443.2	+5 MHz	162.2 / 162.2	San Antonio	Bexar	K4HBM	OPEN
443.4	+5 MHz	88.5	San Antonio	Bexar	KD5GAT	OPEN
443.475	+5 MHz	162.2	San Antonio	Bexar	WB5FNZ	OPEN
443.55	+5 MHz		San Antonio	Bexar	WA5LNL	OPEN
443.575	+5 MHz	141.3	San Antonio	Bexar	WD5IEH	OPEN
443.625	+5 MHz	123.0	San Antonio	Bexar	WA5DXJ	OPEN
443.675	+5 MHz		San Antonio	Bexar	AI5TX	CLOSED
443.7	+5 MHz		San Antonio	Bexar	WX5II	CLOSED
443.725	+5 MHz		San Antonio	Bexar	WX5II	CLOSED
443.875	+5 MHz	162.2 / 162.2	San Antonio	Bexar	AA5RO	OPEN
443.95	+5 MHz		San Antonio	Bexar	WX5II	CLOSED
444.025	+5 MHz	110.9	San Antonio	Bexar	K5DSF	OPEN
444.1	+5 MHz	179.9 / 179.9	San Antonio	Bexar	WB5FWI	OPEN
444.125	+5 MHz	179.9 / 179.9	San Antonio	Bexar	WA5UNH	OPEN
444.25	+5 MHz		San Antonio	Bexar	KJ5UU	OPEN
444.325	+5 MHz		San Antonio	Bexar	W5DKK	CLOSED
444.575	+5 MHz	141.3	San Antonio	Bexar	WB5UGT	OPEN
444.6	+5 MHz	141.3	San Antonio	Bexar	AB5QW	OPEN
444.625	+5 MHz	141.3	San Antonio	Bexar	WD5IEH	OPEN
444.6625	+5 MHz		San Antonio	Bexar	KG5FEC	OPEN
444.7	+5 MHz	67.0	San Antonio	Bexar	N5TX	OPEN
444.85	+5 MHz	162.2 / 162.2	San Antonio	Bexar	AA5RO	OPEN
444.95	+5 MHz	103.5	San Antonio	Bexar	WA5KBQ	OPEN
927.075	-25 MHz	218.1 / 218.1	San Antonio	Bexar	K5TRA	OPEN
1292.3	-12 MHz		San Antonio	Bexar	W5DKK	CLOSED
1293.3	-12 MHz	DSTR	San Antonio	Bexar	WD5STR	OPEN

Yahoo Groups

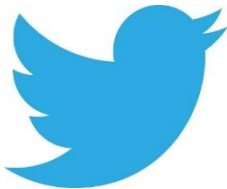


SARC has had a Yahoo Group for a number of years now. Its name is W5SC.

W5SC is being used to publicize SARC business meetings. It can be used for other things like promotion of VEC testing and classes. Members of the W5SC Yahoo Group can and have asked each other technical questions or sought assistance.

W5SC is a closed group. To become a member, go to groups.yahoo.com. (You may need to have a Yahoo account.) This will take you to a website where your groups, if any, are shown with a Search Group box at the top. Enter W5SC. This will take you to the search results page with W5SC on it. Select W5SC to go to the W5SC Yahoo Group. You will then need to select + *Join Group*. This generates a message. SARC members can expect approval to join the W5SC in probably less than 24 hours.

SARC Tweets



Reminder: there are two active Twitter accounts for the San Antonio Radio Club. They are @SARadioClub and @ARadioFiesta.

The @SARadioClub is being used to publicize SARC meetings. It can be used for other things like promotion of VEC testing and classes.

As Radio Fiesta 2017 work has commenced, the @ARadioFiesta is being used again for the January 14, 2017 Radio Fiesta.

SARC members are encouraged to follow both Twitter accounts.

SARC Facebook



There is a San Antonio Radio Club – SARC (@saradioclub) Facebook Page.

The newsletter editor is making posts about SARC meetings and other activities. Any Officer, Committee Chairperson, or member who believes that they have information that should be posted to this page should contact the newsletter editor using the contact information for the newsletter editor on page 2 of this newsletter.

SARC members are encouraged to follow this Facebook Page.

SARC SLACK



There is a San Antonio Radio Club Slack team – w5sc.slack.com.

Slack teams are meant to foster communication between team members. Paul Guido, N5IUT, has established the w5sc.slack.com team for SARC. He has also established some channels. Think of the channels as topical areas.

To join send an email to Paul Guido, N5IUT, at radioteacher@gmail.com. In actuality, any team member already a part of the w5sc.slack.com can invite you, but Paul is known to be on it.

SARC has a website:

w5sc.org

Webmaster: Bill Craft KD2HIQ
Billc851@gmail.com
210-233-8863

Amateur Radio License Classes

A Technician Course followed by a General Course is currently being planned for the August-September 2018 time frame.

As the plans for these classes firm up, they will be summarized here.

SARC Meeting Dates for next 12 Months

July 12, 2018
August 9, 2018
September 13, 2018
October 11, 2018
November 8, 2018
December (None)
January 10, 2019
February 14, 2019
March 14, 2019
April 11, 2019
May 9, 2019
June 13, 2019

Meetings are held at Grady's Barbeque, 327 E. Nakoma Dr., San Antonio, TX 78216 at 7:00 p. m.

Come early and eat with other members coming early.

License Testing Dates for 2018

August 25, 2018
October 27, 2018
January 12, 2019
February 23, 2019
April 27, 2019
June 22, 2019

Times and locations along with required document information can be found on SARC's website.

SARC does all its licensing testing as a part of ARRL Volunteer Examiner Coordinator (VEC) organization so all the Volunteer Examiners in SARC are duly authorized Volunteer Examiners of ARRL's VEC.

Field Day 2019

Setup: Friday, June 21, 2019
Operations: Saturday, June 22, 2019
& Sunday, June 23, 2019

Where SARC proves they are an eating group with a radio problem.

More information to follow, but hold these dates.

JOTA

Boy Scout Jamboree On The Air

This year's date is Oct 20, 2018. The plan is to again hold it at the Texas Transportation Museum.

For more information, contact:
Gary (Mike) Harrison, KB5KST

Radio Fiesta 2019

January 12, 2019
Schertz Civic Center

See newsletter article for more information

Emergency Communications

If you are interested in emergency communications, contact:
JC Smith N5RXS